

### DESIGN PROCESS

<p><b>1</b></p> <p><b>UNDERSTAND CLIENT NEEDS</b></p> <p>Improve the safety and function of the corridor. Promote economic development and efficient land use in the corridor. Discourage land development practices that compromise roadway capacity and destroy the character of the community. Enhance the visual appeal of the corridors to reinforce the positive development practices desired along the corridors. Preserve the public investment in infrastructure.</p>	<p><b>2</b></p> <p><b>IDENTIFY OBJECTIVES FOR ACCESS MANAGEMENT</b></p> <p>Provide sufficient lane capacity Separate turning movements from through traffic Reduce vehicle conflict points Promote appropriate driveway spacing Provide well-defined driveway and inter sections Provide for safe pedestrian and bicycle use Discourage speeding Encourage proper access and circulation design for new developments</p>	<p><b>3</b></p> <p><b>GENERAL SITE ANALYSIS AND OPPORTUNITIES AND CONSTRAINTS</b></p> <p>The Margaret Avenue corridor was inventoried and analyzed in regards to the existing conditions present. The team looked at existing environmental concerns, land uses, road condition, intersection composition, and over all character. This information was documented in the form of several maps and was used to develop a design theme for the corridor enhancements.</p>	<p><b>4</b></p> <p><b>DEVELOP ACCESS MANAGEMENT PROGRAM</b></p> <p>Elements include: Raised medians Two-way left turn lanes Traffic signal spacing standards Unsignalized access spacing standards Auxiliary lanes Driveway design standards</p>	<p><b>5</b></p> <p><b>DEVELOP IMPLEMENTATION RECOMMENDATIONS</b></p> <p>Roadway design requirements Zoning requirements Traffic Impact Analysis requirements for developments Bring existing access into conformance upon significant changes</p>
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### WHAT IS ACCESS MANAGEMENT?

Access Management is the systematic control of the location, spacing, design, and operation of driveways, median openings, interchanges, and street connections to a roadway. It also involves roadway design applications such as median treatments, auxiliary lanes, and the appropriate spacing of traffic signals. Access management utilizes these means to optimize the function of a roadway. The access management plan established for the corridor is intended to preserve the integrity of the existing roadway function. In addition, the implementation of an access management plan will reinforce the roadway as a consistent master planned corridor, while maintaining a high level of safety.

### BENEFITS OF ACCESS MANAGEMENT

- ◆ Improve safety for all road users and pedestrians
- ◆ Reduce travel delays and congestion
- ◆ Reduce need to widen the roadway again in the future
- ◆ Improve wayfinding
- ◆ Enhance corridor image and property values

### DEVELOPING GOALS AND OBJECTIVES

**Goal:** Increase safety and preserve roadway function

Implement an access management plan that optimizes roadway function while preserving the safety and efficiency of the transportation system.

**Objectives**

- ◆ Regulate the number, location and type of access points to each development along the corridor.
- ◆ Create zoning and access management standards for the design of driveways and auxiliary lanes (i.e. right and left turn lanes, deceleration tapers, and exit lanes).
- ◆ Recommend roadway standards for the Margaret Avenue Corridor that permit the capacity of the transportation system to be consistent with the approved corridor land use plan. Such standards may include signalization, medians for channeling traffic, and auxiliary lanes to remove turning movements from through traffic.
- ◆ Set standard thresholds for requiring traffic impact studies for development within the corridor.

